

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) A method of treating a patient to stimulate chondrocyte proliferation in vivo which comprises the step of increasing ~~the active concentration of~~ amylin activity within said patient by an amount effective to stimulate chondrocyte proliferation.
2. (currently amended) A method of treating a patient to stimulate cartilage growth [[and/]] or repair in vivo through stimulation of chondrocyte proliferation which comprises the step of increasing ~~the active concentration of~~ amylin activity within said patient by an amount effective to stimulate chondrocyte proliferation.
3. (canceled)
4. (currently amended) A method according to claim 1 wherein ~~the active concentration of~~ amylin activity is increased through administration of amylin to said patient.
5. (currently amended) A method according to claim 1 wherein ~~the active concentration of~~ amylin activity is increased through administration of an amylin agonist, the amylin agonist being a fragment of amylin comprising amylin (1-8) (SEQ ID NO:2).
6. (currently amended) A method of treating a patient to stimulate chondrocyte proliferation in vivo which comprises the step of administering to said patient amylin or an analog thereof in an amount effective to stimulate chondrocyte proliferation, the amylin analog being a fragment of

amylin comprising amylin (1-8) (SEQ ID NO:2).

7. (currently amended) A method of treating a patient to stimulate cartilage growth [[and/]] or repair in vivo through stimulation of chondrocyte proliferation which comprises the step of administering to said patient amylin or an analog thereof in an amount effective to stimulate chondrocyte proliferation, the amylin analog being a fragment of amylin comprising amylin (1-8) (SEQ ID NO:2).

8. (canceled)

9. (previously presented) A method according to claim 6 wherein amylin is administered to said patient.

10. (previously presented) A method according to claim 6 wherein an analog of amylin is administered to said patient.

11. (previously presented) A method according to claim 10 wherein said amylin analog is amylin (1-8) (SEQ ID NO:2).

12.-33. (canceled)

34. (currently amended) A method of stimulating chondrocyte proliferation in vitro which comprises administering an amount of amylin, ~~adrenomedullin~~ or an analog of ~~either amylin or adrenomedullin~~ to said chondrocytes ~~which is in an amount~~ effective in inducing chondrocyte proliferation, the amylin analog being a fragment of amylin comprising amylin (1-8).

35. (original) A method according to claim 34 wherein an effective amount of amylin is administered.

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Filed : March 23, 2000  
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36. (currently amended) A method according to claim 34 wherein an effective amount of [[an]]  
the amylin analog is administered.

37. (previously presented) A method according to claim 36 wherein the amylin analog is amylin-  
1-8 (SEQ ID NO:2).

38.-51. (canceled)